



PHILIP MORRIS

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APR 6 1995

April 4, 1995

Dr. William L. Steele
Tobacco Institute Testing Laboratory
2 Taft Court, Suite 201
Rockville, Maryland 20850

Dear Dr. Steele:

The results for the seven samples comprising the Fourteenth Interlab Comparison Study are listed below. The samples were analyzed via FTC methodology over ten runs, two runs smoked on each of five days (March 10 through March 16). The samples were analyzed for carbon monoxide on a five-port smoking machine attached to a FTIR (one CO value per run).

	C1 Carlton KS SP	C2 Winston Ultra Lt KS SP	C3 GPC Lt KS SP	C4 Lark Lt 100 SP	C5 Marlboro KS SP	C6 Newport Menthol 100 SP	C7 Industry Monitor 14
Tar (mg/cigt)	1.29	5.94	9.27	10.92	15.14	17.84	17.48
Standard Deviation	0.38	0.46	0.81	0.76	0.84	0.79	0.64
Number of Values	20	20	20	20	20	20	20
TPM (mg/cigt)	1.51	6.88	11.05	13.49	19.12	21.95	22.24
Standard Deviation	0.37	0.52	0.89	0.98	1.20	0.95	0.81
Number of Values	20	20	20	20	20	20	20
Nicotine (mg/cigt)	0.14	0.50	0.60	0.82	1.07	1.37	1.17
Standard Deviation	0.01	0.03	0.03	0.04	0.06	0.05	0.05
Number of Values	20	20	20	20	20	20	20
Water (mg/cigt)	0.08	0.44	1.17	1.74	2.92	2.75	3.59
Standard Deviation	0.05	0.08	0.15	0.27	0.45	0.20	0.37
Number of Values	20	20	20	20	20	20	20
Puffs/cigt	6.79	7.52	7.10	8.25	8.70	8.89	9.00
Standard Deviation	0.18	0.21	0.27	0.25	0.39	0.15	0.18
Number of Values	20	20	20	20	20	20	20
CO (mg/cigt)	1.2	7.4	10.0	10.4	13.9	15.8	16.3
Standard Deviation	0.06	0.25	0.34	0.34	0.70	0.58	0.22
Number of Values	4	4	4	4	2*	4	4

* Only able to perform two runs due to limited sample (initial preparation error)

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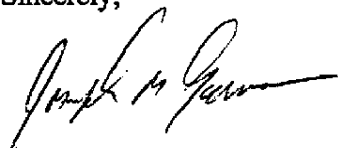
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MARLBORO BENSON & HEDGES MERIT VIRGINIA SLIMS PARLIAMENT LIGHTS PLAYERS SARATOGA CAMBRIDGE ALPINE MULTIFILTER

PM3000880990

The raw data for the samples are attached. If you have any question concerning this data, please do not hesitate to contact me.

Sincerely,



Joseph M. Garman
Section Leader
Product Testing Laboratory
(804) 274-3505

Attachments

cc: J. Y. Lewis
J. F. Whidby
Central Files